# **Civil Engineering Database Keyword Index**

The Civil Engineering Database (CEDB) is designed to provide free, easy bibliographic access to all ASCE publications. The database covers ASCE documents published since 1972. It provides access to all the journals, conference proceedings, books, standards, manuals, magazines, and newspapers. The index terms below were assigned to papers published in this journal during 2002 from a CEDB keyword list. The CEDB and keyword list can be accessed on the Web at <a href="http://www.pubs.asce.org/cedbsrch.html">http://www.pubs.asce.org/cedbsrch.html</a>.

#### Benefit cost ratios

Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002)

#### Bridge decks

Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

## Bridge maintenance

Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21

Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

# Bridges

Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).

#### Bridges, concrete

Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

# Bridges, girder

Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

#### Bridges, steel

Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

# **Buildings**, residential

Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

#### California

Too Cautious? Avoiding Risk in Transportation Project Development. — Harry Hecht and Debbie Niemeier; 8(1), 20-8 (2002).

#### Canada

Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

#### Case reports

Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).

## Chlorides

Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

#### Computatio

Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

## Computer software

Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

## Concrete

Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

#### Corrosion

Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

#### Costs

Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).

## Critical path method

Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

# Deterioration

Markov Model for Storm Water Pipe Deterioration.
 Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).

Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).

Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

#### Drilling

Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

## Earthquake loads

Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

#### Economic factors

Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

#### **Economic impact**

Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).

#### **Environmental impacts**

Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniei K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

## Forecasting

Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).

## Government agencies

Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

# Hurricanes

Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

## Infrastructure

Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).

Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).

Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

# **Civil Engineering Database Keyword Index**

The Civil Engineering Database (CEDB) is designed to provide free, easy bibliographic access to all ASCE publications. The database covers ASCE documents published since 1972. It provides access to all the journals, conference proceedings, books, standards, manuals, magazines, and newspapers. The index terms below were assigned to papers published in this journal during 2002 from a CEDB keyword list. The CEDB and keyword list can be accessed on the Web at <a href="http://www.pubs.asce.org/cedbsrch.html">http://www.pubs.asce.org/cedbsrch.html</a>.

#### Benefit cost ratios

Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002)

#### Bridge decks

Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

## Bridge maintenance

Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21

Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

# Bridges

Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).

#### Bridges, concrete

Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

# Bridges, girder

Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

#### Bridges, steel

Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

# **Buildings**, residential

Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

#### California

Too Cautious? Avoiding Risk in Transportation Project Development. — Harry Hecht and Debbie Niemeier; 8(1), 20-8 (2002).

#### Canada

Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

#### Case reports

Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).

## Chlorides

Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

#### Computatio

Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

## Computer software

Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

## Concrete

Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

#### Corrosion

Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

#### Costs

Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).

## Critical path method

Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

# Deterioration

Markov Model for Storm Water Pipe Deterioration.
 Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).

Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).

Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

#### Drilling

Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

## Earthquake loads

Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

#### Economic factors

Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

#### **Economic impact**

Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).

#### **Environmental impacts**

Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniei K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

## Forecasting

Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).

## Government agencies

Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

# Hurricanes

Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

## Infrastructure

Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).

Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).

Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

#### Installation

Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

#### Investments

Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).

#### Korea

Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).

#### Life cycles

Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).

Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

#### Markov process

Markov Model for Storm Water Pipe Deterioration.
— Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).

#### Middle East

Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).

#### Models

Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).

#### New Jersey

Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).

## Pipelines

Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

#### Pines

Markov Model for Storm Water Pipe Deterioration.
— Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).

#### Preservation

Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).

## Project management

Too Cautious? Avoiding Risk in Transportation Project Development. — Harry Hecht and Debbie Niemeier; ε(1), 20-8 (2002).

#### Project planning

Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

#### Risk management

Too Cautious? Avoiding Risk in Transportation Project Development. — Harry Hecht and Debbie Niemeier; 8(1), 20-8 (2002).

#### Roads

Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).

#### Safety

Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).

#### Scheduling

Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. —
James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002)

#### Sensitivity analysis

Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

# Service life

Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

#### Stochastic models

Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

#### Stormwater

Markov Model for Storm Water Pipe Deterioration.
 Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).

#### Tensile loads

Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

#### Time dependence

Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).

#### Transportation

Too Cautious? Avoiding Risk in Transportation Project Development. — Harry Hecht and Debbie Niemeier; 8(1), 20-8 (2002).

#### Transportation systems

Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

## Urban areas

Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).

## Virginia

Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

#### Water distribution

Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).

# Water pipes

Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).

# **Author Index**

#### Allouche, Erez N.

Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

#### Amin, Massoud

Toward Secure and Resilient Interdependent Infrastructures. — Massoud Amin; 8(3), 67-75 (2002).

## Ayyub, Bilal M.

Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).

#### Baumert, Michael E.

Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

## Boothby, Thomas E.

Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).

## Coombes, Peter

Markov Model for Storm Water Pipe Deterioration.
— Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).

#### Dadson, Daniel K.

Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

# de la Garza, Jesus M.

Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

# Demers, Cornelia E.

Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).

## Elefteriadou, Lily

Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).

# Enshassi, Adnan

Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).

## Gregory, Rita A.

Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).

#### Haimes, Yacov Y.

Roadmap for Modeling Risks of Terrorism to the Homeland. — Yacov Y. Haimes; 8(2), 35-41 (2002).

#### Hanna, A. M.

Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

#### Hawkins, John W.

Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).

## Hecht, Harry

Too Cautious? Avoiding Risk in Transportation Project Development. — Harry Hecht and Debbie Niemeier; 8(1), 20-8 (2002).

#### Hendrickson, Chris

Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

## Kim, Euijune

Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).

#### Kleiner, Y.

Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).

# Kuczera, George

Markov Model for Storm Water Pipe Deterioration.
 Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).

## Lambert, James H.

Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

## Liang, Chih-Hsin

Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

## Liang, Ming-Te

Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

#### Lin, Li-Hsier

Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

#### Madanat, Samer

Introducing the Associate Editors of the *Journal of Infrastructure Systems*. — Samer Madanat; 8(2), 30-4 (2002).

#### Madanat, Samer M.

Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

## Matthews, H. Scott

Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

#### Micevski, Tom

Markov Model for Storm Water Pipe Deterioration.
— Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).

## Mishalani, Rabi G.

Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

## Morcous, G.

Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

# Niemeier, Debbie

Too Cautious? Avoiding Risk in Transportation Project Development. — Harry Hecht and Debbie Niemeier; 8(1), 20-8 (2002).

## Nigim, Khaled

Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).

#### Ochoa, Luis

Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

# Patev, Robert C.

Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

# Patterson, Clare E.

Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

# Rajani, Balvant

Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).

## Rivard, H.

Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

# Shin, Myungsoo

Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).

# Tsang, Joshua L.

Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

# Upton, Mark N., Jr.

Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).

# Weyers, Richard E.

Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

# Ziara, Mohamed

Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).